

The claims:

1. The method of glass material production from ash-slag waste by melt of batch, wt. %: CaO 9.0-54.0, SiO₂ 13.0-75.0, Al₂O₃ 5.0-26.0, Fe₂O₃ 1-24, MgO 2.0- 6.0, Na₂O 0.1-1.0, K₂O 0.2-1.0, SO₃ 0.1-0.6, TiO₂ 0.2 and C in a reducing medium and cooling of the obtained melt by thermal shock. This method differs in that the carbon content is brought in the batch is brought before melt to 3-8 wt. %.

2. The method across the claim 1 differs in that the melt cool is carried out in a flow of gas medium.

3. The method across the claims 1-2 differs in that the gas medium is formed by gases as a result of carbon's dissociation in water.

4. The method across the claims 1-3 differs in that the gas mixture is defined as the inert gas and gases as a result of carbons dissociation in water.

5. The method across the first claim differs in that the obtained glass material is additionally granulated and pressed with a following burning.

6. The method across the first claim differs in that the obtained glass material is additionally heated to melt formation and then cooled slowly.

7. The method across the first claim differs in that the obtained glass material is additionally heated to the melt formation and then cooled with the following burning.